



Load Short Form

Entire House

DL Williams Heating & Cooling L.L.C.

Job: 1
Date: Apr 12, 2021
By: DL Williams
Plan: 1

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Project Information

For: Sellers addition, Mike Todd Const
Lake City, FL 32055

Design Information

	Htg	Clg	Infiltration	Simplified Average
Outside db (°F)	33	92	Method	0
Inside db (°F)	68	75	Construction quality	
Design TD (°F)	35	17	Fireplaces	
Daily range	-	M		
Inside humidity (%)	30	50		
Moisture difference (gr/lb)	8	44		

HEATING EQUIPMENT

Make Generic
Trade
Model SEER 14.0, HSPF 8.1
AHRI ref

Efficiency 8.1 HSPF
Heating input
Heating output 11086 Btuh @ 47°F
Temperature rise 27 °F
Actual air flow 371 cfm
Air flow factor 0.031 cfm/Btuh
Static pressure 0.50 in H2O
Space thermostat
Capacity balance point = 33 °F

Backup:

Input = 3 kW, Output = 11597 Btuh, 100 AFUE

COOLING EQUIPMENT

Make Generic
Trade
Cond SEER 14.0, HSPF 8.1
Coil

AHRI ref
Efficiency 12.2 EER, 14 SEER
Sensible cooling 7799 Btuh
Latent cooling 3343 Btuh
Total cooling 11142 Btuh
Actual air flow 371 cfm
Air flow factor 0.045 cfm/Btuh
Static pressure 0.50 in H2O
Load sensible heat ratio 0.84

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)	Htg AVF (cfm)	Clg AVF (cfm)
bedroom	360	4441	4938	140	223
wic	78	651	250	20	11
clos	30	607	214	19	10
hall	36	33	27	1	1
bath	216	4257	1501	134	68
utility	77	1810	1287	57	58



Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



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...HVAC\Trane\Sellers addition MIKE Todd Const.rup Calc = MJ8 Front Door faces: N

Entire House	797	11798	8218	371	371
Other equip loads		0	0		
Equip. @ 0.97 RSM			7988		
Latent cooling			1577		
TOTALS	797	11798	9564	371	371

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